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<110> Birkenbach, Mark
      Kieff, Elliot
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<150> US 09/536,954
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    Leu Val Ile Phe Gln Val Cys Leu Cys Gln Asp Glu Val Thr Asp Asp
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    tac atc gga gac aac acc aca gtg gac tac act ttg ttc gag tct ttg
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    Tyr Ile Gly Asp Asn Thr Thr Val Asp Tyr Thr Leu Phe Glu Ser Leu
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    Met Tyr Ser Ile Ile Cys Phe Val Gly Leu Leu Gly Asn Gly Leu Val
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    qtg ttq acc tat atc tat ttc aag agg ctc aag acc atg acc gat acc
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    Val Leu Thr Tyr Ile Tyr Phe Lys Arg Leu Lys Thr Met Thr Asp Thr
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    tac ctg ctc aac ctg gcg gtg gca gac atc ctc ttc ctc ctg acc ctt
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aag				gtg Val 180												636
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cag Gln	gtg Val 225	gcc Ala	cag Gln	atg Met	gtg Val	atc Ile 230	ggc Gly	ttt Phe	ctg Leu	gtc Val	ccc Pro 235	ctg Leu	ctg Leu	gcc Ala	atg Met	780
				ctt Leu												828
				aag Lys 260												876
				cag Gln												924
				aac Asn												972
				tac Tyr												1020
				ttc Phe												1068
				ctc Leu 340												1116
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			Glu	acc Thr							tag	gcga	ctc	ttct	gcctgg	1217
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320 305 310 315 Val Asn Pro Phe Leu Tyr Ala Phe Ile Gly Val Lys Phe Arg Asn Asp 330 325 Ile Phe Lys Leu Phe Lys Asp Leu Gly Cys Leu Ser Gln Glu Gln Leu 345 Arg Gln Trp Ser Ser Cys Arg His Ile Arg Arg Ser Ser Met Ser Val 360 Glu Ala Glu Thr Thr Thr Thr Phe Ser Pro 375 <210> 3 <211> 1643 <212> DNA <213> Homo sapiens <220> <221> CDS <222> 34..1116 <400> 3 54 qqaattccct qatatacacc tggaccacca cca atg gat ata caa atg gca aac Met Asp Ile Gln Met Ala Asn aat ttt act ccg ccc tct gca act cct cag gga aat gac tgt gac ctc 102 Asn Phe Thr Pro Pro Ser Ala Thr Pro Gln Gly Asn Asp Cys Asp Leu tat gca cat cac agc acg gcc agg ata gta atg cct ctg cat tac agc 150 Tyr Ala His His Ser Thr Ala Arg Ile Val Met Pro Leu His Tyr Ser 30 ctc gtc ttc atc att ggg ctc gtg gga aac tta cta gcc ttg gtc gtc 198 Leu Val Phe Ile Ile Gly Leu Val Gly Asn Leu Leu Ala Leu Val Val 45 246 att qtt caa aac agg aaa aaa atc aac tct acc acc ctc tat tca aca Ile Val Gln Asn Arg Lys Lys Ile Asn Ser Thr Thr Leu Tyr Ser Thr 65 294 aat ttg gtg att tct gat ata ctt ttt acc acg gct ttg cct aca cga Asn Leu Val Ile Ser Asp Ile Leu Phe Thr Thr Ala Leu Pro Thr Arg ata qcc tac tat qca atg ggc ttt gac tgg aga atc gga gat gcc ttg 342 Ile Ala Tyr Tyr Ala Met Gly Phe Asp Trp Arg Ile Gly Asp Ala Leu 95 100 tgt agg ata act gcg cta gtg ttt tac atc aac aca tat gca ggt gtg 390 Cys Arg Ile Thr Ala Leu Val Phe Tyr Ile Asn Thr Tyr Ala Gly Val 110 438 aac ttt atq acc tqc ctg agt att gac cgc ttc att gct gtg gtg cac Asn Phe Met Thr Cys Leu Ser Ile Asp Arg Phe Ile Ala Val Val His 125 130 cct cta cgc tac aac aag ata aaa agg att gaa cat gca aaa ggc gtg 486 Pro Leu Arg Tyr Asn Lys Ile Lys Arg Ile Glu His Ala Lys Gly Val 140 145 534 tgc ata ttt gtc tgg att cta gta ttt gct cag aca ctc cca ctc ctc Cys Ile Phe Val Trp Ile Leu Val Phe Ala Gln Thr Leu Pro Leu Leu 155 582 atc aac cct atq tca aag cag gag gct gaa agg att aca tgc atg gag Ile Asn Pro Met Ser Lys Gln Glu Ala Glu Arg Ile Thr Cys Met Glu 175 tat cca aac ttt gaa gaa act aaa tct ctt ccc tgg att ctg ctt ggg 630

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Tyr Ser Gln Ile Cys Cys Lys Leu Phe Arg Thr Ala Lys Gln Asn Pro
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                220
ctc act gag aaa tct ggt gta aac aaa aag gct ctc aac aca att att
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Leu Thr Glu Lys Ser Gly Val Asn Lys Lys Ala Leu Asn Thr Ile Ile
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                                240
ctt att att gtt gtg ttt gtt ctc tgt ttc aca cct tac cat gtt gca
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Leu Ile Ile Val Val Phe Val Leu Cys Phe Thr Pro Tyr His Val Ala
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                            255
                                                                      870
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Ile Ile Gln His Met Ile Lys Lys Leu Arg Phe Ser Asn Phe Leu Glu
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tqt aqc caa aqa cat tcg ttc cag att tct ctg cac ttt aca gta tgc
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Cys Ser Gln Arg His Ser Phe Gln Ile Ser Leu His Phe Thr Val Cys
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Cys Lys Gly Tyr Lys Arg Lys Val Met Arg Met Leu Lys Arg Gln Val
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Ser Val Ser Ile Ser Ser Ala Val Lys Ser Ala Pro Glu Glu Asn Ser
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cgt gaa atg aca gaa acg cag atg ata cat tcc aag tct tca aat
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Arg Glu Met Thr Glu Thr Gln Met Met Ile His Ser Lys Ser Ser Asn
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Gly Lys
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   Arg Thr Ala Lys Gln Asn Pro Leu Thr Glu Lys Ser Gly Val Asn Lys
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   Lys Ala Leu Asn Thr Ile Ile Leu Ile Ile Val Val Phe Val Leu Cys
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Asn Leu Leu Ala Leu Val Val Ile Val Gln Asn Arg Lys Lys Ile Asn

Ser Thr Thr Leu Tyr Ser Thr Asn Leu Val Ile Ser Asp Ile Leu Phe

Thr Thr Ala Leu Pro Thr Arg Ile Ala Tyr Tyr Ala Met Gly Phe Asp

75

55

70

	15 20 25															
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Ser	Pne	ııe	Ата	65	Tyr	Arg	Leu	сту	ме с 70	Ата	MIG	Arg	GTÅ	His 75	ser	
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Val	His	Pro	Trp	Gly	Ser		Ser	Ser	Phe	Val		Phe	Ile	Thr	Glu	
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<sup>&</sup>lt;213> Homo sapiens

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                             55
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                        70
    Gln Gln Thr Pro Thr Ser Thr Ser Cys Thr Ile Thr Asp Val Gln Leu
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    Phe Ser Met Ala Pro Tyr Val Leu Asn Val Thr Ala Val His Pro Trp
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    Gly Ser Ser Ser Phe Val Pro Phe Ile Thr Glu His Ile Ile Lys
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                               120
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                                               140
    Leu Gln Val Gln Trp Glu Pro Pro Gly Ser Trp Pro Phe Pro Glu Ile
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    Phe Ser Leu Lys Tyr Trp Ile Arg Tyr Lys Arg Gln Gly Ala Ala Arg
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    Phe His Arg Val Gly Pro Ile Glu Ala Thr Ser Phe Ile Leu Arg Ala
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    Val Arg Pro Arg Ala Arg Tyr Tyr Val Gln Val Ala Ala Gln Asp Leu
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